



Marie Skłodowska-Curie Actions under Horizon 2020



European
Commission

Europe 2020 priorities

International cooperation

European Research Area

Shared objectives and principles

Common rules, toolkit of funding schemes

Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research, and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

Industrial Leadership

- Leadership in enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
- Access to risk finance
- Innovation in SMEs

Excellent Science

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions on skills, training and career development
- Research infrastructures

Supporting the objectives:

**European Institute for Innovation and Technology
Joint Research Centre**

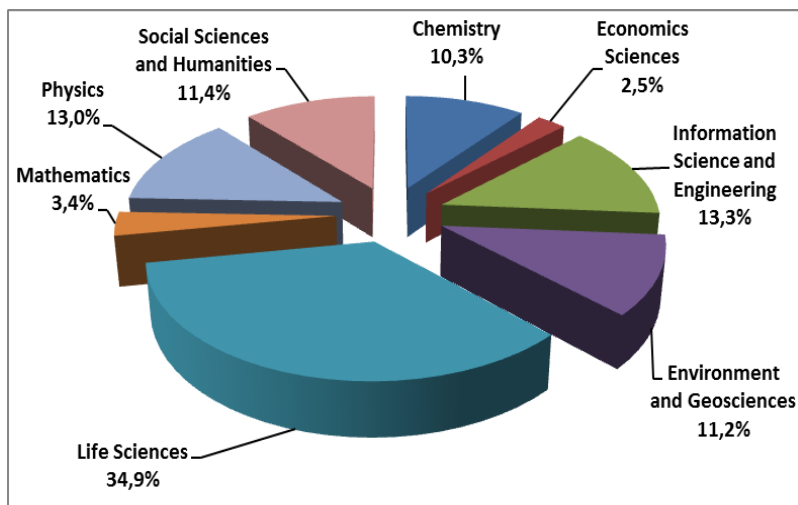
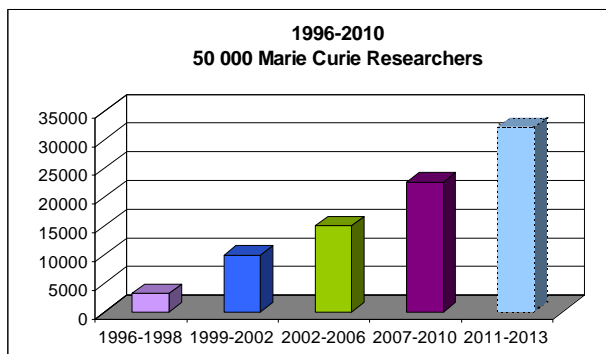
Simplified access

Dissemination & knowledge transfer

FP7 MCA Achievements



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Budget distribution by scientific panel
in FP7 (bottom-up approach)

- ~ 60 000 researchers financed since creation of MCAs
- >10 000 PhD supported in FP7
- Marie Curie researchers coming from all over the world (~ 130 nationalities)
- Marie Curie host organisations in >80 countries
- 38% women participation in FP7 MCA (target: 40%)
- ~50% of budget dedicated to research in societal challenges
- Bridging academia-business gap: ~8 000 secondments/recruitments in ~750 projects
- SMEs play a major role: in IAPP & ITN account for >50% of all businesses participating



- **Main objective**

Ensure the optimum development and dynamic use of Europe's intellectual capital in order to generate new skills and innovation

- **Rationale**

- ✓ Encourage new, creative types of training
- ✓ Identify excellent talents in research and innovation in international competition
- ✓ Make best researchers in Europe and the world work together across countries, sectors and disciplines
- ✓ Create a whole new mind-set in Europe, crucial for entrepreneurship and innovation

MSCA – Key Features



- **Bottom-up** approach
- Supporting researchers **careers**
- Fostering key **skills** and competences
- **Mobility**, both trans-national and inter-sectoral
 - ✓ Opening research careers at European and international level
 - ✓ Enhanced business-academia collaboration and staff exchange
- Excellent **employment and working conditions**, in line with the EU Charter and Code for Researchers
- Role model with pronounced **structuring effect** on regional, national and other international programmes

MSCA – Key Features



- Broad definition of industry involvement: participation of **businesses** (including SMEs) and other **socio-economic actors**
- Internal H2020 **synergies** with other part of Excellent Science, societal challenges, industrial technologies, EIT
- Developing synergies with Erasmus for All programme
- **Gender** balance and equal opportunities
- Strong emphasis on **outreach** activities and communicating research

MSC Actions



European
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ITN
(including EID and IDP) →

Action 1
Innovative
Training
Networks

Doctoral and initial training of researchers proposed by international networks of organisations from public and private sectors

IEF
IOF
IIF
CIG →

Action 2
Individual
Fellowships

Individual fellowships for most promising experienced researchers to develop their skills through international or inter-sector mobility

IAPP
IRSES →

Action 3
RISE

International and inter-sector cooperation through the exchange of research and innovation staff

COFUND →

Action 4
COFUND

Co-funding of regional, national and international programmes

Innovative Training Networks (ITN)



MSCA - main EU programme for structured doctoral training



- ✓ Dedicated to **early-stage researchers** (no ER recruitment)
- ✓ Involving **wide partnership of institutions** from academic and non-academic sectors
- ✓ Based on FP7 ITNs experience + support to joint doctorates



- ✓ Addressing **triple 'i'** dimension of mobility
- ✓ Combining **scientific excellence** with **innovation-oriented approach**
- ✓ Developing **entrepreneurship** and **skills** matching research labour market needs



- ✓ Enhancing **employability** of researchers

Individual Fellowships (IF)



- ✓ Opportunities for **international and inter-sector mobility** of ER to facilitate career moves
- ✓ Enhance competences and creative **potential of best researchers**, European and non-European willing to work in the EU
- ✓ Encompass intra-European, incoming, outgoing mobility and re-integration
- ✓ Possibility of inter-sector secondments

Research and Innovation Staff Exchange (RISE)



- ✓ New type of exchange of staff action to stimulate **transfer of knowledge**
- ✓ Flexible inter-sector (within Europe) and international (with 3rd countries) exchanges of **highly skilled research and innovation staff**
- ✓ No recruitment foreseen
- ✓ Single eligibility rule for partnership consortia
- ✓ Based on a **common research project**





- ✓ Stimulating regional, national and international programmes to foster excellence
- ✓ Spreading best practices of MSCA in terms of international mobility, research training, career development
- ✓ Extended to doctoral training and exchange of staff
- ✓ Building on experience from FP7 COFUND – evaluation results available:
 - COFUND is enhancing the international dimension of a number of national and regionally-based fellowship programmes in ways that are not open to Individual Fellowships
 - Positive impact on operational and administrative procedures of host institutions (COFUND)
 - Contributing to a gradual 'levelling up' in employment conditions for researchers



Marie Curie Actions Website

<http://ec.europa.eu/mariecurieactions>

Horizon 2020

<http://ec.europa.eu/research/horizon2020>